***Assignment 16***

1. What is the grid?

The Grid Layout is a two-dimensional layout system for creating rows and columns. It allows for creating flexible and responsive layouts that can adapt to different screen sizes and devices.

2. What is the difference between flex and grid?

The basic difference between CSS Grid Layout and CSS Flexbox Layout is that flexbox was designed for layout in one dimension - either a row or a column. Grid was designed for two-dimensional layout - rows, and columns at the same time.

3. How can you define rows and columns for your grid?

We define rows and columns on our grid with the grid-template-rows and grid-template-columns properties. These define grid tracks. A grid track is the space between any two adjacent lines on the grid. The image below shows a highlighted track – this is the first-row track in our grid.

4. List any two properties of the grid item and grid container.

**Grid Item**

Grid-row: defines on which row to place an item. You can also state here, where the item will start, and where the item will end. To place an item, you can either use line numbers, or use span to define how many columns the item will span.

Grid-column: defines on which column the item is to be placed. Like a row, here too, it can be stated where the item will start and end. Here again, you can either use line numbers, or use span to define how many columns the item will span.

**Grid Container**

Align-content : vertically aligns the whole grid inside the specified container.It can be start, center, end, space evenly, space around, space between.

Justify-content : it aligns the whole grid inside the container. It can be start, center, space evenly, space around, space between.